SBK No: 45/14-15 dt 28.5.2015

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & FINAL Bill

Sub-Division DD

Division DD

Date : .....

Bill Received No. ..... Dated .....

Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) DRILLING OF BORE WELL PROVIDING PUMP MOTOR AND SERVICING IN NMH LAYOUT SAMPANGIRAMAIAH LAYOUT AND MEENAKSHI LAYOUT IN WARD NO.14

Name of Contractor and Full Address TECHNICAL MANGER (WEST) KRIDL

Reference to Agreement No. EE/DD/WO/ 04 / 14-15 Date: 5.5.2014

Certified that the measurements were taken by me on 20.5.2015 and recorded in pages 340214 to 340222 of measurements Book No. 3403 and that the work is satisfactorily executed.

EXECUTIVE ENGINEER
KRIDL, BBMP, Bangalore

Officer - in - charge of work

Certified that the measurements were checked by me on 20/5/15 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment WORK CODE / JOB CODE : 014-13-000172

Sub-Division Officer

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	--
3.	- do - Balance	--
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
5.	Balance being unpaid value of work done held in reserve	Total --
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
		Total amount adjusted --

Received Rs. ..... (in words)

.....

by cash and by adjustment of

Payment as per memorandum

Witness sns (In final settlement of all demand)

1.

2.

Date

Paid by me by cheque No. ..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Contractor Signature

EXECUTIVE ENGINEER
KRIDL, BBMP, Bangalore

(For use in the Office)

Stamp

Contractor's Signature

EXECUTIVE ENGINEER
KRIDL, BBMP, Bangalore

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pur P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geologica geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the site, recommended depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work sit technical personal and labour required etc
2	Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG and above 900 CFM and abaove including over burden upto 20mm fixing of casing pipes collars and cap with necessary, cutting and threading transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield tes final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap etc.,)
	0.00 to 50 mtrs
	50 to 100 mtrs
	100 mtrs to 150 mtrs
	150mtrs to 200 mtrs
	200.00 to 250.00 mtrs
	250.00 to 300.00 mtrs
	300.00 to 350.00 mtrs
3	Supplying of ISI mark 175 mm nominal bore medium black ERW casing opf 5mm thick black electric resistance contior steel tube material and confirming to IS 1387/1993 and manufactured from hot rolled steel skepl/ stripes in rondom leng mtr both ends threaded confirmning to IS 554/1985 on end (including of all taxed)
4	Providing and fixing 250 mm dia PVC pipe and as per specification and directions. Complete as per the specification.
5	Providing 175mm dia MS casing cap
6	M.S casing pipe collare 'C' class complete as per specification.
7	Supply and delivery at site brand new Texmo/Innoval/Lubi/Sabar/Atalanta/calamal/ waterman/radha make suitab installation in 150mm dia. Borewells composing of single stage stage or multistage CF pump close coupled by means c steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type squirrel cage s induction motor suitabled for operation of 3 Ph, 50Hz., 380/440 volts AC supply fitted with required accessories such casing, suction strainers, sand guard. Non return valve etc., complete. The pump and motor shall form an intergral unit required fittings. 15.000 HP 25 stage complete as per specification.
8	Providinga laying & jointing GI pipes confirming to IS specificatiuon of approved make with fitting such as callars bemds s nipples plugs with cuyts threads using white lead & threads for joints wherecer necessary as per directiuon including a etc., complete 'A' grade (excluding cost of fittings) b50 mm dia GI pipe complete as per the specification.
9	Providing & fixing heavy duty collar complete as per specification.
10	Supply and drawing 3 core PVC sheathed submersible pump cable manufactured with celectrolytic grade copper with flex conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and sheathed suitable for work upto 1100 volts as per 4 sqm of 56 strands 0.3mm dia

	Unit	Previous Measurement			Present Measurement			Total Up-to-date		Remarks
		Qty	Rate Rs. Ps.	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
WS or nation, tion of pth of gging	Each				3.00	1900.00	5700.00	3.00	5700.00	
strats uding at the							0.00	0.00	0.00	
	Mtr				150.00	306.00	45900.00	150.00	45900.00	
	Mtr				150.00	400.00	60000.00	150.00	60000.00	
	Mtr				150.00	445.00	66750.00	150.00	66750.00	
	Mtr				150.00	470.00	70500.00	150.00	70500.00	
	Mtr				150.00	544.00	81600.00	150.00	81600.00	
	Mtr				150.00	606.00	90900.00	150.00	90900.00	
	Mtr				60.00	624.00	37440.00	60.00	37440.00	
ided to 7	Mtr				108.00	1325.00	143100.00	108.00	143100.00	
	Rmt				60.00	1100.00	66000.00	60.00	66000.00	
	Each				3.00	100.00	300.00	3.00	300.00	
	Each				162.00	150.00	24300.00	162.00	24300.00	
rtical hless sible tion, the	Set				2.00	71265.25	142531.00	2.00	142531.00	
less & lift	Rmt				640.00	402.50	257600.00	640.00	257600.00	
	No				114.00	150.00	17100.00	114.00	17100.00	
pper ange	Mtr				1300.00	159.50	207350.00	1300.00	207350.00	

11	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK controls best indigenous mak energy meter cum control panel board unit of sie 1200x600x350 mm minimum mechanically strong vermin and water pro shall have two detachable doors suitable for operation on 3ph. 50 Hz, 380/440 volts. AC supply with spring loaded la device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided insi canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit operation on 3ph, 50 Hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consists etc the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset with Star out door type 10 HP to 20 HP
12	Fabricating supplying and mounting MS box made out 16 SWG suitable for floor/wall mounting, fully weather proof p better heat dissipation proveded with hinged front cover equipped with tamper proof locking a arrangements with s clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint finished with approved colour enamelled metal paint etc., compelte
13	Providing & fixing clamps set and borewell cap to the pump
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS 778/84 with laterst amendment with
15	Supplying & delivery of brand new best make gate valve of size 50mm as per IS 778/84 with laterst amendment with ISI r gate valve for distributer pipeline. 50mm dia
16	Providing and fixing 50mm dia GI bend to motor
17	Providing and fixing 50mm dia GI Nipple to motor
18	Providing and fixing 50mm GI union to the motor
19	Lanbour chargtes for end connection
20	Labour charges for erection of new / repaioted submersible pumpset along with GI pipes (32-50mm) cable (new s pumpset if requited will be supplied by the deparment free of cost and relesed pump set should be handed over to including transpotation (each length=6.00m)
21	Erection of combined panel board with all necessary materials and labour incluidng providing CC 1:3:6 foundatio complete for basement out door type.
22	Supplying and fixing mainature circuite breakers / isolatore in existing MCB distributin boards using necessary fixing ma wiring complete as required.40 to 63 amps DP
23	Supplying and laying of LT UG cable having aluminium conductor PVC insulated sheathed, galvanished, steel wi armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm PVC cable.
24	Digging of trenches of 0.6mm x 0.50mtr wide refiling the trench to the required ground level and consolidation etc., comp road surface
25	Supply and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1 (a) 40mm
26	Supplying fixing and wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board u dia, 2.9 thick GI pie 2.5mtr long buied in a pit. The pit should be filled with equal proportion of salt and charcoal 150mm pipe to complete depth. The connection from the pipe to the conuit etc., is to be established thourgh GI wire of size specification 7.3.3. of ISD 732 using 120mm dia bolts, nuts, washers and chechnus etc., the pipe shall have 16 through dia.
27	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class for 16 sqmm UG cable filled with necessary insulating compound compelte with terminals clamsp, bolts nuts and washers etc.,
28	Supplying shunt capaciotor's confirming to 165 IS 2834, 3phase 400/440 volts grade for power factor improvements machinery capacitor in KVAR rating No's

mbined The unit locking the door table for complete ta starter	No				2.00	10000.00	20000.00	2.00	20000.00	
vision for able size nd finally	sqm				44000.00	0.33	14520.00	44000.00	14520.00	
	No				2.00	690.00	1380.00	2.00	1380.00	
SI mark	No				4.00	1600.00	6400.00	4.00	6400.00	
rk. 50mm	No				4.00	1145.00	4580.00	4.00	4580.00	
	No				4.00	219.00	876.00	4.00	876.00	
	No				4.00	104.30	417.00	4.00	417.00	
	No				4.00	223.70	895.00	4.00	895.00	
	No				2.00	400.00	800.00	2.00	800.00	
omersible epartment	Per length				108.00	88.00	9504.00	108.00	9504.00	
bed etc.,	No				2.00	475.00	950.00	2.00	950.00	
erials and	No				2.00	880.00	1760.00	2.00	1760.00	
steel tap	Mtr				60.00	165.00	9900.00	60.00	9900.00	
te cutting	Mtr				60.00	55.00	3300.00	60.00	3300.00	
KV class	Mtr				4.00	286.00	1144.00	4.00	1144.00	
ng 40mm round the s per IISI of 122mm	No				2.00	1650.00	3300.00	2.00	3300.00	
bitumen /	No				2.00	264.00	528.00	2.00	528.00	
of roating	No				2.00	1350.00	2700.00	2.00	2700.00	

29	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead a complete. for 50mm dia
30	Supplying and fixing polished wood board made up not less than 15mm thick plank with front plank one end provided fo other end fixing the same of the valve using through bolts and nuts 20"x2"'x2.5" inches
31	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or ir 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods comple specifications.
32	Providing and installing at site of work 63mm (0.662) P.V.C pipes of 6kg/ cm 2 including cost of pipes and specials and labour includi into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth availab excavation etc.,
33	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposite ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications all rate considered under item.
34	KPTCL deposit charges
35	Transportation of pumping machineries
36	Erection of pumping machineries
	Grand Total

CERTIFICATE:

1 Work done is satisfactory
2 There are no departmental issuesmade to the contractor
3 The contractor has cleared all debrice from work spot

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ಜಿ. [illegible]ರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಿಬಿಪಿ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಡಲರಹಳ್ಳಿ, ಬೆಂಗಳೂರು - 560 073

nd lift etc.,	No				4.00	1430.00	5720.00	4.00	5720.00	
olding at	No				2.00	302.50	605.00	2.00	605.00	
trenches trenches, te as per	Cum				70.20	223.66	15701.00	70.20	15701.00	
ng lowering ft charges, e from the	Mtr				130.00	324.36	42167.00	130.00	42167.00	
d layer by ow 60% of	Cum				70.20	59.36	4167.00	70.20	4167.00	
	No				2.00	13820.00	27640.00	2.00	27640.00	
	No				2.00	850.00	1700.00	2.00	1700.00	
	No				2.00	850.00	1700.00	2.00	1700.00	
							1499425.00		**1499425.00**	
			Add 11% Carriage				164936.00			
							1664361.00			

Rupees in words Sixteen Lacs Sixty four Thousand three Hundred Sixty one only